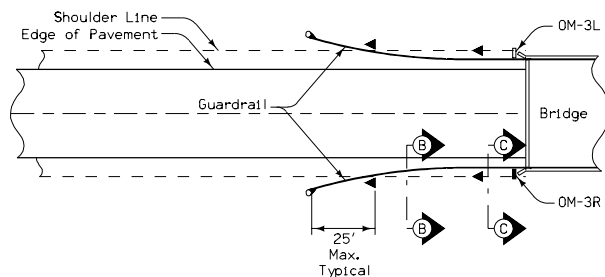


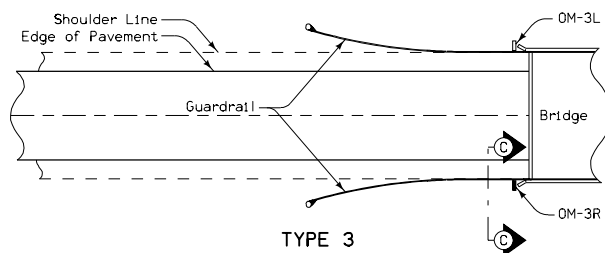
TYPE 1

BRIDGE - LESS THAN 30 FT. BUT NOT FULL SHOULDER WIDTH



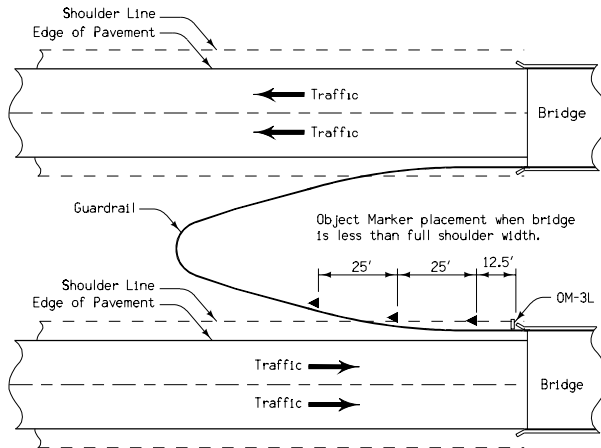
TYPE 2

BRIDGE - 30 FT. OR WIDER BUT LESS THAN FULL SHOULDER WIDTH



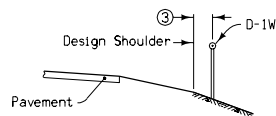
TYPE 3

BRIDGE - FULL SHOULDER WIDTH

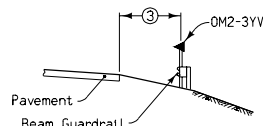


TYPE 4

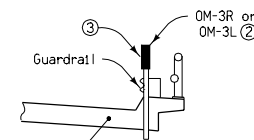
BRIDGE - BULLNOSE GUARDRAIL INSTALLATION



SECTION A-A



SECTION B-B



SECTION C-C

LEGEND ③	
	Type 3 Object Marker, Left (OM-3L)
	Type 3 Object Marker, Right (OM-3R)
	Type 2 Object Marker (OM2-3YV)
	Single White Delineator, (D-1W)

- ① Not required on projects where delineators are proposed or installed throughout the length of the project.
- ② All Delineator and Object Marker placement shall be behind face of guardrail. The edge of object marker (OM-3L or OM-3R) shall be aligned with the face of guardrail.
- ③ Refer to Standard Road Plans RE-7 and RE-47.
- ④ At ramp terminals only, install Single White Delineators as follows: Place first delineator at location where near ramp terminal radius meets the edge of the through pavement. Place additional delineator(s) spaced equally (spacing not to exceed 200') between first delineator and guardrail.

GENERAL NOTES:

TYPE 1: For bridges that are less than 30 ft., but not full shoulder width. Beginning 25 ft. from the approach end of guardrail, install Type 2 Object Markers (OM2-3YV) at 25 ft. intervals behind the guardrail. Install a Type 3 Object Marker (OM-3R and OM-3L) at the bridge ends. On paved roadways only, install 7 Single White Delineators (D-1W) at 200 ft. spacing beginning 200 ft. in front of the approach end of the guardrail. For ramp terminals, see note 4.

TYPE 2: For bridges 30 ft. or wider, but less than full shoulder width. Beginning 25 ft. from the approach end of guardrail, install Type 2 Object Markers (OM2-3YV) at 25 ft. intervals behind the guardrail. Install a Type 3 Object Marker (OM-3R and OM-3L) at the bridge ends.

TYPE 3: For full shoulder width bridges. Install a Type 3 Object Marker (OM-3R and OM-3L) at the bridge ends.

TYPE 4: Bridges with Bullnose Guardrail Installation. Install a Type 3 Object Marker (OM-3L) at the bridge end.

For full shoulder width bridges:
No Delineation required.
For less than full shoulder width bridges:
Install 3 Type 2 Object Markers (OM2-3YV)
Install first object marker 12.5' from bridge end post
installing remaining two at 25' intervals.

STANDARD ROAD PLAN RE-48A	
REVISION: Modified Type 1 and Type 2.	REVISION NO. 10
APPROVED BY: <i>William J. Allen</i> DESIGN METHODS ENGINEER	REVISION DATE 10-21-03
DETAILS OF MARKER AND DELINEATOR PLACEMENT (AT BRIDGES)	